

interLATA services are resold. Under the Act, we have and will make all retail telecommunications services available in full compliance with the Act. We are willing to consider an alternative resale pricing structure. However, as we discussed, it may significantly increase billing costs, and thus reduce the amount of avoided costs.

In our discussion about resale branding, you stated that you would expect Ameritech to offer AT&T branding of all interfaces with the customer, including service technician and service truck branding. As I stated, Ameritech believes that re-branding of service technicians and trucks is impractical, and more importantly, could present safety concerns for our employees. Moreover, such branding is not required in the Act. We discussed with you methods for transferring misdirected repair calls to you.

2. Unbundled Services and Network Elements

Ameritech currently offers loops, ports, switching and transport in Illinois and Michigan and will expand its offering to the other Ameritech states in compliance with the Act. Ameritech also offers certain ancillary services, e.g. directory assistance, operator services, and 911, pursuant to standard agreements, and we will send you copies of those agreements for your review. Although we did not discuss each of the items you list under item number 2 on your list, you did state that you wanted access to Ameritech's facilities on a customized loop basis, and you requested pricing for such facilities. In order for Ameritech to assess your request, we will need to know what type of access to those facilities you require and when (by month and year) and where you require that access. Again, this can be done pursuant to the nondisclosure agreement we provided to you. You have asked for standard pricing for these facilities. Unfortunately, because the cost to access these facilities will vary based on what type of access you require and where, I cannot provide standard pricing to you at this time. Without asking for the full information that would apply to a bona fide request for such access at this time, whatever information you can provide in terms of both types of facilities and general locations, will help us to better assess your request.

3. Current Network Access Offers

At the meeting you clarified that this meant offering different pricing for interexchange carrier access, which AT&T currently purchases from Ameritech Long Distance Industry Services (ALDIS) under tariff. As I explained to you, this item is not part of the Act, and is handled by our ALDIS unit. While we have difficulty understanding how provisions in the Act

devoted to local exchange competition could be read to require a fundamental restructuring of interexchange access, we will review information from your attorney, Larry Salustro, to support your contention that such access is included in the Act.

4. Dialing Parity

You asked Ameritech to provide you with a "date certain" in which it will provide intraLATA dialing parity (1+) in each of its states. As we explained, the Act clearly provides that, except and to the extent that a state has ordered such dialing parity by December 19, 1995, that such dialing parity need not be made available until Ameritech exercises its authority to provide in-region interLATA services or before three years of the date of enactment of the Act. However, you pressed for a date certain. At this point, we can only tell you that we will fully comply with the Act.

5. Access to Poles, Ducts, Conduit and Right of Way

Ameritech has existing tariffs or agreements regarding the provision of access to poles, ducts, conduit and right of way, in compliance with the Act. Those existing arrangements will continue to be available. You have asked Ameritech to provide copies of our engineering prints of our facilities. Because of security concerns and the highly proprietary nature of this information, we will not provide you with those copies. However, as you requested, we will consider whether there is a way that we can provide the information you request that, from our perspective, adequately addresses our concerns.

6. Collocation

You listed five AT&T requirements regarding collocation: (1) that physical collocation be offered, (2) dual entry be provided, (3) no equipment restrictions, (4) hubbing availability and (5) 24 hour, 7 day a week access. Ameritech will provide physical collocation as required by the Act. Ameritech will, consistent with the Act, permit collocation of equipment necessary for interconnection or access to unbundled network elements, i.e transmission equipment. Ameritech does not believe that it is obligated to provide hubbing functions or dual entry under the Act, but will consider your request for 24 hour, 7 day a week access to your collocation spaces.

Ms. Bridget B. Manzi
March 5, 1996
Page 5

7. Contract Terms and Conditions

We need to better understand the four contract terms that you discussed at the meeting: (1) notification requirements, (2) most favored nation clause, (3) performance penalties, and (4) dispute resolution. To advance the discussion on these issues, I would suggest that our respective attorneys discuss the specific concepts and wording you have in mind. If you would provide those concepts and or wording to Ed Wynn he will coordinate Ameritech's legal review and will have an appropriate Ameritech attorney discuss it with the appropriate AT&T attorney.

8. Information Requested

As I mentioned before, we believe that formal document requests should not be part of business negotiations between parties. We will respond to such requests as we would in standard business negotiations. For that reason, we will not respond to requests 1.1 and 1.3 at this time, but will provide the diagrams you request in 1.2, at our next meeting. In standard business negotiations, parties do not provide copies of contracts they have with other parties, nor do they provide detailed cost information. Again, I am concerned that you are confusing business negotiations with regulatory or legal proceedings. The Act does not require us to provide such information to you, nor you to us, and such a requirement would be at odds with the Act's preference for negotiated agreements. Regarding your request to provide you with agreements under Section 252 of the Act, we will treat your request as a continuing request to provide you with copies of agreements under Section 252 when such agreements have been approved as provided in that Section of the Act.

We are ready to meet with you again soon, and would propose that we meet for a full day on March 12, 1996, beginning at 8:00 a.m. Because you were so kind as to host us at your law department offices, we would be glad to host the next meeting at our location, 350 N. Orleans Street, in Chicago. Please call my assistant, Gertie Bilka, to confirm your availability.

In addition to other information requested in this letter, and to help us better meet your expectations for that meeting, we would ask that you provide us the following information sufficiently in advance of that meeting so that we may prepare some pricing and other proposals for your review:

Ms. Bridget B. Manzi
March 5, 1996
Page 6

- For resale local exchange services, please let us know what volume level and term, by state, that we should use to provide resale pricing to you. Volume levels for business and residential customers should be stated separately. An estimate will suffice for this purpose.
- For unbundled services, please also let us know what volume levels you are considering by state, so that we can provide appropriate pricing information to you. Again, estimates will suffice, and volume levels for business and residential customers should be stated separately. Specifically, please furnish us with your implementation schedule under which you will provide facilities based local services to residential and business customers. This information will help us assess the level of avoided cost, if any, that applies to these services.
- So that we can provide network element pricing, please provide us with the types and quantities of network elements you intend to purchase and in which locations.
- For collocation services, please provide us with your detailed requirements, including types of equipment you would request to collocate, the applicable power requirements, floor space required, etc., including where you desire such collocation and in what time frames.

Again, let me state Ameritech's willingness to continue our discussion on these matters and our desire to reach prompt conclusion of our negotiations. I look forward to our next meeting.

Sincerely,



Neil E. Cox

B



Information Industry Services
350 North Orleans
Floor 3
Chicago, IL 60654
Office 312.335-6626
Fax 312.527-3780

Neil E. Cox
President

June 10, 1996

VIA FACSIMILE AND VIA OVERNIGHT DELIVERY

Dan Miller
Chairman
Illinois Commerce Commission
527 East Capitol Avenue
P.O. Box 19280
Springfield, IL 62794-9280

Re: Request For Mediation

Dear Chairman Miller:

I am writing to request mediation pursuant to Section 252(a)(2) of the Telecommunications Act of 1996 (the "Act") with respect to differences that have arisen between Ameritech and AT&T in our negotiations concerning the terms and conditions of interconnection and resale agreements contemplated by the Act. I have today sent substantially identical letters to the appropriate regulatory commissions in the four other states in which Ameritech's local exchange carrier subsidiaries operate.

On February 27, 1996, AT&T sent letters to Ameritech Illinois, Ameritech Indiana, Ameritech Michigan, Ameritech Ohio and Ameritech Wisconsin requesting negotiations under Section 252 of the Act. Ameritech and AT&T had an initial meeting soon thereafter, and have since been engaged in lengthy and detailed negotiations. However, a number of differences have arisen which the parties have been unable to resolve.

Ameritech desires to reach agreement with AT&T consistent with our obligations under the Act, and to do so as soon as practicable. Accordingly, we suggest that it is

Dan Miller
June 10, 1996
Page -2-

desirable to begin mediation as soon as possible. To that end, we stand ready to meet and confer with you or your designee at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Neil E. Cox", with a stylized flourish at the end.

Neil E. Cox

cc: Bridget B. Manzi
Vice President
Central States Local Service Organization
AT&T
227 West Monroe Street
13th Floor
Chicago, Illinois 60606



Information Industry Services
350 North Orleans
Floor 3
Chicago, IL 60654
Office 312-335-6626
Fax 312-527-3780

Neil E. Cox
President

June 10, 1996

VIA FACSIMILE AND VIA OVERNIGHT DELIVERY

Assistant Chief
Engineering Division
Indiana Utility Regulatory Commission
Suite E306
Indiana Government Center South
302 West Washington Street
Indianapolis, Indiana 46204

Office of the Utility Consumer Counselor
100 North Senate Avenue
Room 501
Indianapolis, Indiana 46204

Re: Letter Of Intent To File Request For Mediation

Ladies and Gentlemen:

Pursuant to the Indiana Utility Regulatory Commission's June 5, 1996, Interim Procedural Order in Cause No. 39983, please accept this as Ameritech's letter of intent to file a request for mediation pursuant to Section 252(a)(2) of the Telecommunications Act of 1996 (the "Act") with respect to differences that have arisen between Ameritech and AT&T in our negotiations concerning the terms and conditions of interconnection and resale agreements contemplated by the Act. I have today submitted substantially identical requests for mediation to the Chairs of the appropriate regulatory commissions in the four other states in which Ameritech's local exchange carrier subsidiaries operate.

On February 27, 1996, AT&T sent letters to Ameritech Illinois, Ameritech Indiana, Ameritech Michigan, Ameritech Ohio and Ameritech Wisconsin requesting negotiations under Section 252 of the Act. Ameritech and AT&T had an initial meeting soon thereafter, and have since been engaged in lengthy and detailed negotiations. However, a number of differences have arisen which the parties have been unable to resolve.

Indiana Utility Regulatory Commission
Office of the Utility Consumer Counselor
June 10, 1996
Page -2-

Ameritech anticipates filing its request for mediation on June 20, 1996. The filing will identify the differences between the parties which, in Ameritech's view, should be mediated and, for each such issue, will summarize the pertinent negotiating history and the parties' positions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Neil E. Cox", with a stylized flourish at the end.

Neil E. Cox

cc: Bridget B. Manzi
Vice President
Central States Local Service Organization
AT&T
227 West Monroe Street
13th Floor
Chicago, Illinois 60606



Information Industry Services
350 North Orleans
Floor 3
Chicago, IL 60654
Office 312/335-6626
Fax 312/527-3780

Neil E. Cox
President

June 10, 1996

VIA FACSIMILE AND VIA OVERNIGHT DELIVERY

John G. Strand
Chairman
Michigan Public Service Commission
Mercantile Building
6545 Mercantile Way
P.O. Box 30221
Lansing, MI 48909-7721

Re: Request For Mediation

Dear Chairman Strand:

I am writing to request mediation pursuant to Section 252(a)(2) of the Telecommunications Act of 1996 (the "Act") with respect to differences that have arisen between Ameritech and AT&T in our negotiations concerning the terms and conditions of interconnection and resale agreements contemplated by the Act. I have today sent substantially identical letters to the appropriate regulatory commissions in the four other states in which Ameritech's local exchange carrier subsidiaries operate.

On February 27, 1996, AT&T sent letters to Ameritech Illinois, Ameritech Indiana, Ameritech Michigan, Ameritech Ohio and Ameritech Wisconsin requesting negotiations under Section 252 of the Act. Ameritech and AT&T had an initial meeting soon thereafter, and have since been engaged in lengthy and detailed negotiations. However, a number of differences have arisen which the parties have been unable to resolve.

Ameritech desires to reach agreement with AT&T consistent with our obligations under the Act, and to do so as soon as practicable. Accordingly, we suggest that it is

John G. Strand
June 10, 1996
Page -2-

desirable to begin mediation as soon as possible. To that end, we stand ready to meet and confer with you or your designee at your earliest convenience.

Sincerely,



Neil E. Cox

cc: Bridget B. Manzi
Vice President
Central States Local Service Organization
AT&T
227 West Monroe Street
13th Floor
Chicago, Illinois 60606



Information Industry Services
350 North Orleans
Floor 3
Chicago, IL 60654
Office 312 335-6626
Fax 312 527-3780

Neil E. Cox
President

June 10, 1996

VIA FACSIMILE AND VIA OVERNIGHT DELIVERY

Craig A. Glazer
Chairman
Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43216

Re: Request For Mediation

Dear Chairman Glazer:

I am writing to request mediation pursuant to Section 252(a)(2) of the Telecommunications Act of 1996 (the "Act") with respect to differences that have arisen between Ameritech and AT&T in our negotiations concerning the terms and conditions of interconnection and resale agreements contemplated by the Act. I have today sent substantially identical letters to the appropriate regulatory commissions in the four other states in which Ameritech's local exchange carrier subsidiaries operate.

On February 27, 1996, AT&T sent letters to Ameritech Illinois, Ameritech Indiana, Ameritech Michigan, Ameritech Ohio and Ameritech Wisconsin requesting negotiations under Section 252 of the Act. Ameritech and AT&T had an initial meeting soon thereafter, and have since been engaged in lengthy and detailed negotiations. However, a number of differences have arisen which the parties have been unable to resolve.

Ameritech desires to reach agreement with AT&T consistent with our obligations under the Act, and to do so as soon as practicable. Accordingly, we suggest that it is

Craig A. Glazer
June 10, 1996
Page -2-

desirable to begin mediation as soon as possible. To that end, we stand ready to meet and confer with you or your designee at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Neil E. Cox", written in a cursive style.

Neil E. Cox

cc: Bridget B. Manzi
Vice President
Central States Local Service Organization
AT&T
227 West Monroe Street
13th Floor
Chicago, Illinois 60606



Information Industry Services
350 North Orleans
Floor 3
Chicago, IL 60654
Office 312/335-6626
Fax 312/527-3780

Neil E. Cox
President

June 10, 1996

VIA FACSIMILE AND VIA OVERNIGHT DELIVERY

Cheryl L. Parrino
Chairman
Wisconsin Public Service Commission
610 N. Whitney Way
P.O. Box 7854
Madison, Wisconsin 53707

Re: Request For Mediation

Dear Chairman Parrino:

I am writing to request mediation pursuant to Section 252(a)(2) of the Telecommunications Act of 1996 (the "Act") with respect to differences that have arisen between Ameritech and AT&T in our negotiations concerning the terms and conditions of interconnection and resale agreements contemplated by the Act. I have today sent substantially identical letters to the appropriate regulatory commissions in the four other states in which Ameritech's local exchange carrier subsidiaries operate.

On February 27, 1996, AT&T sent letters to Ameritech Illinois, Ameritech Indiana, Ameritech Michigan, Ameritech Ohio and Ameritech Wisconsin requesting negotiations under Section 252 of the Act. Ameritech and AT&T had an initial meeting soon thereafter, and have since been engaged in lengthy and detailed negotiations. However, a number of differences have arisen which the parties have been unable to resolve.

Ameritech desires to reach agreement with AT&T consistent with our obligations under the Act, and to do so as soon as practicable. Accordingly, we suggest that it is

Cheryl L. Parrino

June 10, 1996

Page -2-

desirable to begin mediation as soon as possible. To that end, we stand ready to meet and confer with you or your designee at your earliest convenience.

Sincerely,

A handwritten signature in dark ink, appearing to read "Neil E. Cox", written in a cursive style.

Neil E. Cox

cc: Bridget B. Manzi
Vice President
Central States Local Service Organization
AT&T
227 West Monroe Street
13th Floor
Chicago, Illinois 60606

Cheryl L. Parrino

June 10, 1996

Page -3-

bcc: Ms. Lynda Dorr
Secretary
Wisconsin Public Service Commission
610 N. Whitney Way
P.O. Box 7854
Madison, Wisconsin 53707

C

MAY - 8 1996

AT&T

Bridget B. Manzi
Vice President
Central States
Local Services Organization

227 West Monroe Street
13th Floor
Chicago, Illinois 60606
(312) 230-6440 Phone
(312) 230-9834 Fax

May 8, 1996

Mr. Neil Cox
President
Ameritech
Information Industry Services
350 North Orleans, Flr 3
Chicago, IL 60654

Dear Neil:

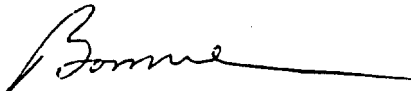
As we've discussed, I am providing a draft overview of the unbundled wholesale products that AT&T expects to purchase from Ameritech. This information should provide you the basis for developing the product descriptions, terms and conditions, as well as the prices that you intend to offer us in this area. I expect that after our discussion on Wednesday, May 15, 1996, we will know who from the Ameritech team will provide us with the specific information we will need in order to develop interfaces for the ordering, provisioning, maintenance and billing systems and operational processes that you are proposing to use to support these unbundled products.

This package includes the following:

- | | |
|----------------------------|--|
| Attachment 1: | A list of the wholesale unbundled product combinations and individual components that AT&T is interested in purchasing. |
| Attachment 1A - 1H: | A summary for each requested product which includes a brief definition and expected functionality for each product. |
| Appendix : | An expanded definition of each unbundled component including some technical and interface requirements which your support teams may find helpful. |

I have asked Paula to provide a copy of this material directly to Greg, Ray and Ed as well as to offer our assistance to them between now and May 15, to further explain or clarify the attached information. Please give me a call directly if you have any questions or would like to discuss this approach before the meeting.

Sincerely,



Attachments

cc: ✓G. Dunny
R. Thomas
E. Wynn

Technical and Interface Requirements

This Appendix sets forth the descriptions and requirements for unbundled network elements.

Loop Distribution

Definition

Loop Distribution is the Network Element that provides connectivity between the NID and the terminal block on the customer-side of a Feeder Distribution Interface (FDI). The FDI is a device that terminates the Loop Distribution and the Loop Feeder, and cross-connects them in order to provide a continuous transmission path between the NID and a telephone company central office. The LEC shall provide AT&T with physical access to, and the right to connect to, the FDI. For loop plant that contains a concentrator/multiplexer element, the Loop Distribution may terminate at the FDI (if one exists), or at a termination and cross-connect field associated with the Concentrator/Multiplexer Network Element. This termination and cross-connect field may be in the form of an outside plant distribution closure, remote terminal or fiber node, or an underground vault.

The medium of the Loop Distribution may be copper twisted pair, coax cable, or single or multi-mode fiber optic cable. A combination that includes two or more of these media is also possible. In certain cases, AT&T shall require a copper twisted pair Loop Distribution even in instances where the medium of the Loop Distribution for services that the LEC offers is other than a copper facility.

Requirements for All Loop Distribution Media

Loop Distribution shall be capable of transmitting signals for the following services (as needed by AT&T to provide end-to-end service capability to its customer):

- 2-wire voice grade basic telephone services;
- 2-wire ISDN;
- 2-wire Centrex;
- 2 and 4-wire PBX lines or trunks;
- 2 and 4-wire voice grade private lines and foreign exchange lines;
- 4-wire digital data (2.4Kbps through 64Kbps and n times 64Kbps (where $n \leq 24$); and
- 4-wire DS1 (switched or private line).

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Common Transport

Definition

Common Transport is an interoffice transmission path between LEC Network Elements (illustrated in Figure xx).

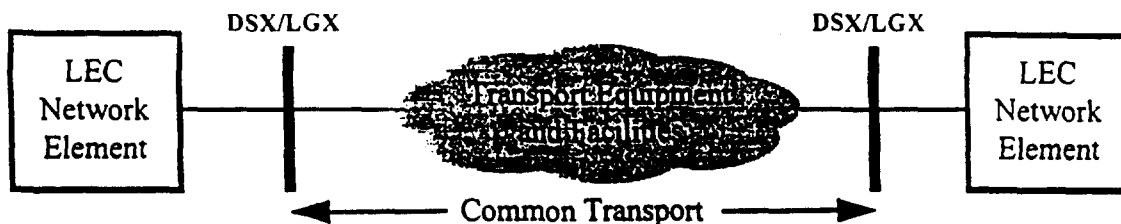


Figure XX

Technical Requirements

For DS1 or VT1.5 circuits, Common Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Central Office to Central Office "CO to CO" connections as specified in AT&T TR 62411 (reference ee).

For DS3 circuits, STS-1 circuits, and higher bit transmission rate circuits, Common Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Central Office to Central Office "CO to CO" connections as specified in AT&T TR 54014 (reference dd).

The LEC shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common Transport.

At a minimum, Common Transport shall meet all of the requirements set forth in the following technical references (as applicable for the transport technology being used):

1. ANSI T1.101-1994, American National Standard for Telecommunications - Synchronization Interface Standard Performance and Availability;
2. ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces;
3. ANSI T1.102.01-199x, American National Standard for Telecommunications - Digital Hierarchy - VT1.5;
4. ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats;

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5. ANSI T1.105.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Automatic Protection Switching;
6. ANSI T1.105.02-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Payload Mappings;
7. ANSI T1.105.03-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Jitter at Network Interfaces;
8. ANSI T1.105.03a-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET): Jitter at Network Interfaces - DS1 Supplement;
9. ANSI T1.105.05-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Tandem Connection;
10. ANSI T1.105.06-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Physical Layer Specifications;
11. ANSI T1.105.07-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Sub STS-1 Interface Rates and Formats;
12. ANSI T1.105.09-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Network Element Timing and Synchronization;
13. ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode);
14. ANSI T1.107-1988, American National Standard for Telecommunications - Digital Hierarchy - Formats Specifications;
15. ANSI T1.107a-1990 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications (DS3 Format Applications);
16. ANSI T1.107b-1991 - American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications;
17. ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach);

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SCH. 2.3

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18. ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification;
19. ANSI T1.404-1994, Network-to-Customer Installation - DS3 Metallic Interface Specification;
20. ITU Recommendation G.707, Network node interface for the synchronous digital hierarchy (SDH);
21. ITU Recommendation G.704, Synchronous frame structures used at 1544, 6312, 2048, 8488 and 44736 kbit/s hierarchical levels;
22. Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements;
23. Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance;
24. Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria;
25. Bellcore TR-NWT 000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.);
26. Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access;
27. Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1 February 1991;
28. Bellcore ST-TEC 000052, Telecommunications Transmission Engineering Textbook, Volume 2: Facilities, Third Edition, Issue I May 1989;
29. Bellcore ST-TEC-000051, Telecommunications Transmission Engineering Textbook Volume 1: Principles, Third Edition. Issue I August 1987;
30. AT&T Technical Reference 54014, ACCUNET T45 Service Description and Interface Specification, May 1992; and
31. AT&T Technical Reference TR 62411 ACCUNET T1.5 Service Description And Interface Specification, December 1990 and all addenda.

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SCH. 2.3

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IN
SCH. 2.3

Dedicated Transport

Definition

Dedicated Transport is an interoffice transmission path between AT&T designated locations. Such locations may include LEC Network Elements, AT&T network components, other carrier network components, or customer premises. Dedicated Transport is depicted below:

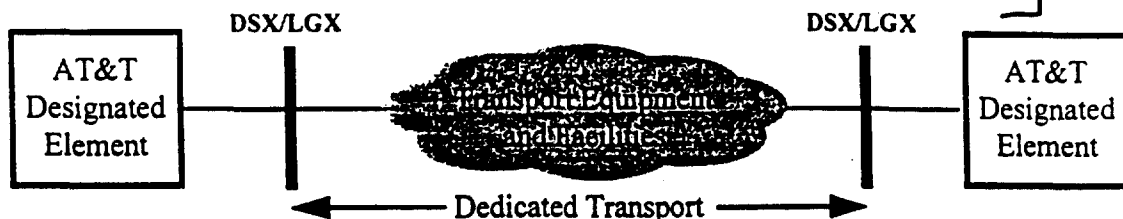


Figure zz

When Dedicated Transport is provided as a system it shall include:

1. Transmission equipment such as multiplexers, line terminating equipment, amplifiers, and regenerators;
2. Inter-office transmission facilities such as optical fiber, copper twisted pair, and coaxial cable;
3. Multiplexing functionality;
4. Grooming functionality (other than that provided by a DCS - e.g., grooming in an add-drop multiplexer);
5. Redundant equipment and facilities necessary to support protection and restoration; and,
6. Cross-office wiring to a DSX or LGX where facilities from a switch, cross-connect, or other service platform are terminated.

Technical Requirements

This Section sets forth technical requirements for all Dedicated Transport.

When the LEC provides Dedicated Transport to AT&T, the entire designated transmission circuit or system (e.g., DS1, DS3, STS-1) shall be dedicated to AT&T.

The LEC shall offer Dedicated Transport in all then currently available technologies including, but not limited to, T1 and T3 transport systems, SONET (or SDH) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONET (or SDH) point-to-point transport systems (including linear add-drop systems), at all available bit transmission rates.

For DS1 or VT1.5 circuits, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer

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Interface to Central Office "CI to CO" connections in AT&T TR 62411 (reference ee in Common Transport Attachment.

§4.3 (Conti

For DS3 circuits, STS-1 circuits, and higher rate circuits, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office "CI to CO" connections in AT&T TR 54014.

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SCH. 9.2.4
§4.4

When requested by AT&T, Dedicated Transport shall provide physical diversity. Physical diversity requires that two circuits can be provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits.

SCH. 9.2.4
§4.5

When physical diversity is requested by AT&T, the LEC shall provide the maximum feasible physical separation between intra-office and inter-office transmission paths (unless otherwise agreed by AT&T).

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SCH. 9.2.4
§§4.6-7

Upon AT&T's request, the LEC shall provide immediate and continuous remote access to performance monitoring and alarm data affecting, or potentially affecting, AT&T's traffic.

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§4.8

The LEC shall offer the following interface rates for Dedicated Transport:

DS1 (Extended SuperFrame - ESF, D4, and unframed applications shall be provided);

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SCH. 9.2.4
§4.9

DS3 (C-bit Parity, M13, and unframed applications shall be provided);

SONET standard interface rates in accordance with ANSI T1.105 and ANSI T1.105.07 and physical interfaces per ANSI T1.106.06 (including referenced interfaces). In particular, VT1.5 based STS-1s will be the desired interface at an AT&T service node.

SDH Standard interface rates in accordance with International Telecommunications Union (ITU) Recommendation G.707 and Plesiochronous Digital Hierarchy (PDH) rates per ITU Recommendation G.704.

The LEC shall provide cross-office wiring up to a suitable Point of Termination (POT) between Dedicated Transport and AT&T designated equipment. The LEC shall provide the following equipment for the physical POT:

DSX1 for DS1s or VT1.5s;

DSX3 for DS3s or STS-1s; and

LGX for optical signals (e.g., OC-3, OC-12)

The LEC shall provide personnel designated by AT&T physical access to the POT (for testing, facility interconnection, etc.) 24 hours a day, 7 days a week.

For Dedicated Transport provided as a system, the LEC shall design the system (including but not limited to facility routing and termination points) according to AT&T specifications.

Upon AT&T's request, the LEC shall provide AT&T with electronic provisioning control of an AT&T specified Dedicated Transport which is provided as a system.

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SCH. 9.2.4,
§4.10

Technical Requirements for Dedicated Transport Using SONET Technology

This Section sets forth additional technical requirements for Dedicated Transport using SONET technology including rings, point-to-point systems, and linear add-drop systems.

All SONET Dedicated Transport provided as a system shall:

1. Be synchronized from both a primary and secondary Stratum 1 level timing source. Additional detail on synchronization requirements are given in the Synchronization section of this Agreement.
2. Provide SONET standard interfaces which properly interwork with SONET standard equipment from other vendors. This includes, but is not limited to, SONET standard Section, Line, and Path performance monitoring, maintenance signals, alarms, and data channels.
3. Provide Data Communications Channel (DCC) or equivalent connectivity through the SONET transport system. Dedicated Transport provided over a SONET transport system shall be capable of routing DCC messages between AT&T SONET network elements connected to the Dedicated Transport element. For example, if AT&T leases a SONET ring from the LEC, that ring shall support DCC message routing between AT&T SONET network elements connected to the ring.

Support the following performance requirements for each circuit (STS-1, DS1, DS3, etc.):

1. No more than 10 Errored Seconds Per Day (Errored Seconds are defined in ANSI T1.231)
2. No more than 1 Severely Errored Second Per Day (Severely Errored Seconds are defined in ANSI T1.231)

All SONET rings shall:

1. Be provisioned on physically diverse fiber optic cables (including separate building entrances where available and diversely routed intra-office wiring). "Diversely routed" shall be interpreted as the maximum feasible physical separation between transmission paths (unless otherwise agreed by AT&T).
2. Support dual ring interworking per SONET Standards.

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